

Friday, September 16, 2016

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12 th Street, SW
Washington, DC 20554

Re: Notice of Ex Parte Communication
3.5 GHz SAS and ESC Applications, **GN Docket 15-319**

Dear Ms. Dortch,

On Monday, September 12, 2016, Jesse Caulfield, CEO of Key Bridge LLC and Tajinder Manku, Co-founder and EVP Silicon of Cognitive Systems Corporation met with the following FCC staff to discuss and present our proposals to administer a Spectrum Access System and a Environmental Sensing Capability: Brian Regan, Becky Schwartz, Joyce Jones, Paul Powell, Kamran Etemad, Thomas Derenge of the Wireless Telecommunications Bureau; and Navid Golshahi plus Robert Pavlak of the Office of Engineering and Technology. Mr. Nirajan Rajkarnikar, intern at Key Bridge, was also in attendance.

In the meeting Key Bridge explained the theory and concepts of operation of our SAS, our ESC, and how the two independent systems will operated together. We discussed how the respective systems will individually and collectively implement various aspects of Rules compliant operation, some of the underlying technologies, protocols and data formats, and how the Commission, NTIA and DoD may effectively test and evaluate the proposed solution.

Also in the meeting Cognitive Systems provided a technology overview of their sensor product, its fixed and programmable capabilities, and the completed radar-detection algorithm that will be employed in the Key Bridge ESC.

Together, Key Bridge and Cognitive Systems communicated our readiness to begin ESC testing.

Finally, Key Bridge provided a brief overview of our strategy to support spectrum leasing in the 3.5 GHz band through a real-time spectrum capacity exchange.

Please direct any questions to the undersigned.

Respectfully submitted,

/s/ Jesse Caulfield

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cc (via email):

Brian Regan

Becky Schwartz

Joyce Jones

Paul Powell

Kamran Etemad

Thomas Derenge

Navid Golshahi

Robert Pavlak